

A photograph of a large, mossy rock formation, possibly a sea stack or a cliff face, with a body of water in the background. The rock is covered in green moss and lichen, and has a dark, shadowed crevice. The water is a deep blue-green color. The title "Carolina Country" is written in a large, white, cursive font across the middle of the image.

Carolina Country

NOVEMBER, 1976

Coal.

That's what you waste when you waste electricity.

If you had to buy and store the amount of coal it takes to keep you in electricity for one year, you'd end up with a pretty big coal pile in your backyard.



People don't usually think about electricity in this way, but when you waste it, you waste one of America's most precious resources.

For example, it takes a pound of coal to supply the energy for a 100-watt light bulb left burning for 12 hours. Just one single bulb.

Now when you think

about all the other ways you use electricity, you can imagine how much coal you'd use in a year's time.

And when you paid for that coal, you'd understand why your electric rates are higher than ever before.

America has ample supplies of coal now, but it can't last forever. Oil and natural gas are already in short supply. So we must use electricity and all our resources wisely.

And your EMC must continue to look for new ways to manage our own source of energy, with plants that will squeeze more electricity out of every lump of coal we use.

**North Carolina
Electric Membership Corp.**





Carolina Country

Read Monthly in More than 240,000 Homes.
Vol. 7 No. 11 November, 1975

Compromising Our Lifestyles

(Related article, Pages 8-9)

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Raleigh, N.C. 27604
Your EMC's Magazine

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COVER — This photo, taken from atop Beech Mountain, is from the book, *The Southern Appalachian Heritage*, published by Holston Publishing Corp. in Kingsport, Tenn., and is used with the permission of the publishers. The photo is by J. Fred Wright, an amateur photographer who is art director for Kingsport Press.

In This Issue . . .

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- 6 Kid Stuff
- 7 Rural Health Project Launched

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Efforts are now afoot in the utility field in North Carolina which could ultimately result in the establishment of new electric rate systems or power use restrictions directly affecting the lifestyles of every Tar Heel family.

These efforts are aimed at improving the efficiency of the power generation facilities by reducing the demand for electricity during periods of peak use.

Figures show that the three major power companies serving the state operate on the average at less than 60 per cent efficiency. That is, their kilowatt hour sales are less than 60 per cent of their average annual generating capacity. The reason: much of that capacity is used only during those peak demand periods.

By taking steps to reduce power consumption during the critical peak use periods, the power companies could increase their operating efficiency and reduce the cost of electricity. The costs would go down because the oldest and least efficient generating facilities are brought into use during peak demand periods and because the need for expensive new power plants would be reduced as a result of more efficient operations.

The theory here seems sound enough and there is little argument over the need for reducing peak period use of electricity — both seasonal peaks, such as those brought on each summer by heavy use of air conditioning, and daily peaks, which usually occur between 5 and 9 p.m. It's the *how* that leads to difficulties.

One approach is to price the power according to the usage curve, charging more for the electricity used when the demand is greatest. One such pricing scheme, now under study in Connecticut, would charge 16 cents per kilowatt during the peak periods. The rate would drop to three cents an hour for the remaining hours, except after 9 p.m., when it could drop to one cent per hour. Under this kind of rate schedule, the consumer would have strong incentives for curtailing his use of electricity during the peak periods.

Another approach is to establish mechanical or electronic controls to curtail usage during those periods. For example, if the air conditioner is on, the clothes dryer would not operate; or if the electric stove oven is operating, the water heater would be switched off automatically.

The technology is already available for either of these approaches, and further developments in the required hardware are expected as science and engineering gear up to meet the new needs in this area.

The State Utilities Commission has scheduled hearings beginning in December to review these and any other proposals which might be offered as a means of reducing demand for power during periods of peak use. The hearings could continue for months, and the commission would then need to carefully evaluate the evidence presented before requiring the power suppliers to adopt any specific plan.

As a result, it may be quite awhile before any peak-reducing system can be put into effect. But the outlook is that sometime in the not-too-distant future most North Carolina families will be devoting far more serious thought and planning than ever before to how and when they use electricity.

It seems a small price to pay for the benefits to be gained.

“NORTH CAROLINA

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Daily Hospital Cash

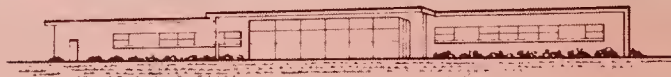
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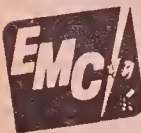
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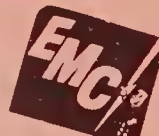
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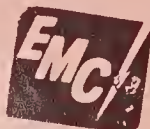
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rural electric Notebook

On Reducing Peak Demands

Former State Utilities Commissioner Hugh Wells, who now serves as executive vice president and general counsel of North Carolina Electric Membership Corporation, agrees with State Sen. McNeill Smith's view that efforts must be made to reduce the use of electricity during hours of peak demand. (See story, Pages 8-9)

However, Wells has some doubts about using time-of-day pricing to reduce peak period use. In a recent speech, he said, "Whether such approaches will work is highly debatable. In order for such an approach to work, the customer must be in a position to activate controls and to consciously monitor his use during such periods, which is very difficult to accomplish."

He suggested using another promising approach -- to control these peaks mechanically or electronically. This would call for using control devices in the home to monitor and rotate the overall electric load.

"Take the simple example of the all electric home: if the air conditioner is running, the clothes dryer will not operate; or, when you turn on the electric stove oven, the hot water is relayed to off, and so on. Such techniques are being applied very effectively in business and industry and at least two computer manufacturers have available systems to monitor and to control usage of electrical equipment in large shopping centers, office buildings and factories," Wells said.

Bulk Barn Problem Studied

An unusual meeting took place in Raleigh a

few weeks ago. Representatives of the state's three major power companies and the EMCs joined agricultural scientists from N.C. State University, tobacco farmers and bulk tobacco barn manufacturers in an all-day discussion of energy problems related to the seasonal use of the bulk barns.

Bulk tobacco curing barns consume large amounts of electricity for a few weeks during July and August, causing a peak load problem for electric suppliers.

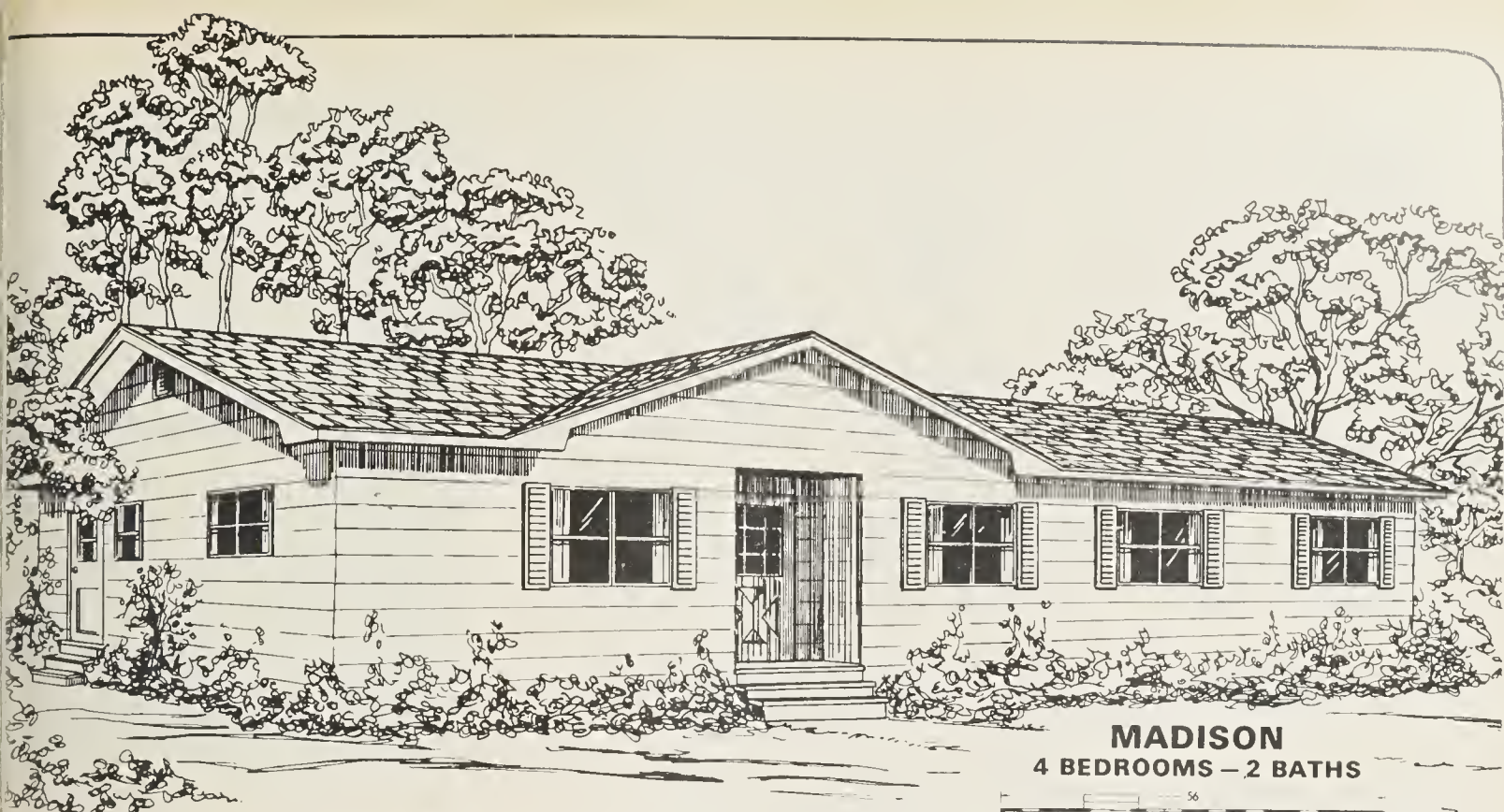
The workshop was held to explore the problem and possible solutions.

As a result of the session, the power suppliers and the barn manufacturers are jointly studying the design of the curers in an effort to find ways of reducing their demand for electricity.

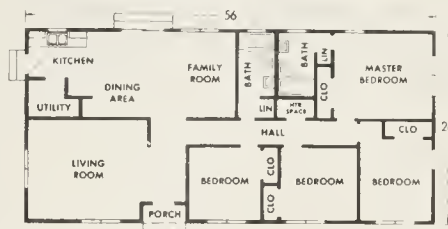
More Support for Nuclear Power

About 700 Swedish scientists and technicians recently spoke out in support of nuclear power. In a petition to Prime Minister Olof Palma, they cited the mass media's erroneous and distorted reporting as being responsible for the public's negative attitude toward nuclear power.

The statement said in part: "We wish help, as individuals, to declare our honest personal conviction that nuclear power has been developed to a stage at which it is, today, superior to other types of energy (with the possible exception of hydroelectric power) when one weighs together the factors of economy, reliability of supply, environmental effects and safety."



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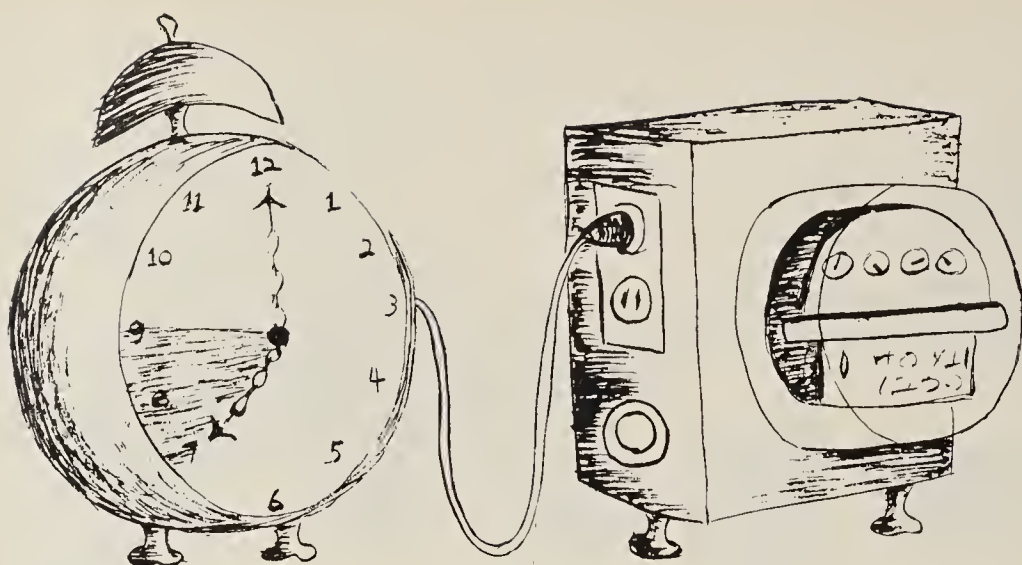
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I own property in _____ County.



Pricing Power By The Clock

By Owen Bishop

Electric rates in North Carolina need to be completely revamped to incorporate a time-of-day pricing system similar to that used for telephone rates, says State Senator McNeill Smith of Greensboro.

Sen. Smith, who has become something of a layman's expert on this and other forms of "peak load" pricing of electricity, used that expertise in drafting legislation which was enacted by the 1975 General Assembly authorizing the State Utilities Commission to hold hearings on all forms of peak load pricing and to order it into effect as soon as is practicable. (See box for hearings schedule.)

Peak load pricing is any system which establishes one rate for electricity used during periods of peak power demand and another for off-peak periods.

One such system involves a seasonal rate structure charging less for electricity used during the winter than is charged for power used during the summer months, when air conditioning is placing heavy demands on power generating facilities. This approach is designed to reduce the summer peak load.

A peak load pricing system of this sort is already being used for residential customers of Virginia Electric and Power Co. in North Carolina.

However, no Tar Heel power suppliers are offering a rate schedule designed to reduce the sharpest and most troublesome peaks — those which occur every day. This kind of rate system would charge more for power used during the hours of peak use.

Pricing electricity by the clock in this way would also tie the price to the cost of producing that power.

Power generated during the hours of peak use each day, usually between 7 and 9 a.m. and between 5 and 9 p.m., costs more to produce because the least efficient and most costly generators are brought into service only at those times. Yet, current rates charge no more for this

power than for the less-costly power produced during off-peak hours.

Sen. Smith believes the electric rate should be structured so those higher peak-hour costs are passed on to the consumers who use that more expensive power.

In other words, the rates should be designed to give consumers an economic incentive for conserving power during the hours of peak use.

"The whole theory of time-of-day metering is to try to take some of the peaks out of the daily use charts," Sen. Smith said. If that can be accomplished the power companies can improve their operating efficiency.

"This is the only way to keep rates down. It increases the efficient use of resources."

The need for more efficient use of generating facilities has been demonstrated by the records of the private power companies serving North Carolina, Sen. Smith pointed out.

All of these firms — Duke Power Co., Carolina Power and Light Co., Nantahala Power Co. and Virginia Electric and Power Co. — are operating at less than 60 per cent efficiency. That is, they

Hearings Scheduled

The State Utilities Commission's consideration of pricing for electricity officially gets under way Nov. 6 with a pre-hearing conference, according to Bill Partin, assistant attorney for the commission, who'll be directly involved in the proceedings.

"That conference is designed to bring together all the parties who'll be participating in the hearings to decide on procedures for the conduct of the hearings."

The group will define the issues to be addressed and the order in which witnesses will offer testimony, Partin said.

At the hearings, the commission is expected to receive evidence from its own staff, from all the power companies serving North Carolina and from various other sources.

The hearings will begin Dec. 16 and will probably continue for some time, perhaps for a period of months. After the hearings are completed, the commission will review all the materials presented and eventually issue a ruling. No timetable has been established for completing that process.



State Sen. McNeill Smith

kilowatt hour sales were less than 60 per cent of their average annual generating capacity.

"So why do these companies have to keep on building new generating plants if they are not selling but a little over 50 per cent of their power? They say it's not what we sell, it's being able to meet the peak demands.

"What I'm saying is that if you can increase efficiency from 50 per cent to 75 per cent, that's like adding one-half again all your yearly capacity without spending a dime."

Sen. Smith offered an analogy about competitive free enterprise pricing to demonstrate the need for revising electric rates:

"If a grocer were to quit pricing articles according to their cost and start charging customers only one price per pound based on his 'average cost,' he would soon go bankrupt. He would soon sell out of steak and other high cost items, and no one would buy his cheaper items, because his 'average cost' was too high.

"If he were the only grocer in town, like the utility company, he might survive for a little while, but not for long, and he would grossly distort the food-buying habits of the community."

Establishing time-of-day pricing for electricity will require new methods of metering and new types of meters, the attorney-legislator pointed out.

"One answer is to have a meter with two dials on it and one of them would run only during the peak hours. Some

meters of this type are already available at \$65 instead of the usual \$21."

Such meters pose some problems, however, because they have to be set by hand for the peak hours and if there's a power failure for an hour or two, then the meter has to be reset because the clock is off.

Developments in the meter field may provide a better, less expensive device for measuring power use by time of day, once the need for such an instrument is established.

Another alternative is the "ripple" system which has been in use in France for many years, Sen. Smith said.

"The power company sends a signal out over the power lines at certain hours and it causes the meter to double or triple the rate. Of course, this means the consumer has to trust the power company."

But, this is also true for the present system for metering telephone use by time of day.

"We used to have operators to do it, but now it's done with automated equipment. The telephone companies are in control of the whole system."

The ripple system was introduced to the U.S. recently when a Vermont power company began using it.

Time-of-day pricing is also under study or experimentation in various other states, including Wisconsin, Arkansas, Virginia, New York and Connecticut.

However, the state utilities regulatory agency in each of these states has provided the sole impetus for the new pricing system. The legislatures were not involved.

In North Carolina, the State Utilities Commission already had full authority to establish peak-load pricing systems and, in fact, had begun studying these measures a year ago with a view toward scheduling hearings on the subject, according to commission officials.

Then came the legislative mandate and the commission's order setting the hearings was issued in July.

"What we've done here," said Sen. Smith, "is to have the legislature say to the commission that this thing has merit and you ought to have some hearings on it and go full steam ahead if you find it can work.

"This has given the commission a green light that other states haven't had and, in a way, North Carolina is something of a pioneer in approaching the matter this way."

The charts below show typical daily cycles of electricity use in August (Figure 1) and in December (Figure 2), as well as the monthly peaks during 1974 (Figure 3). A comparison of the charts shows that the greatest variation in demand is over the daily cycle.

Figure 1.

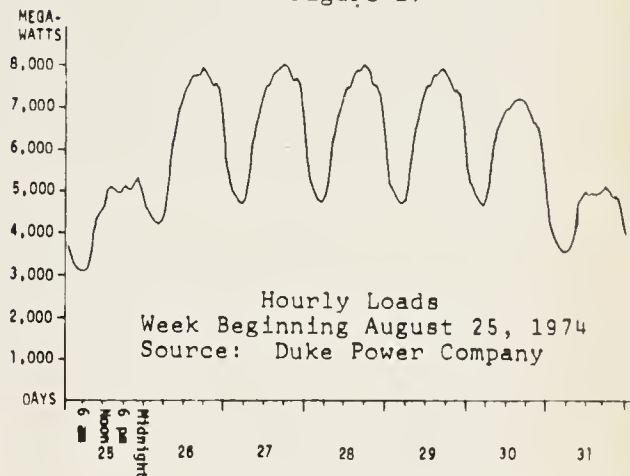


Figure 2.

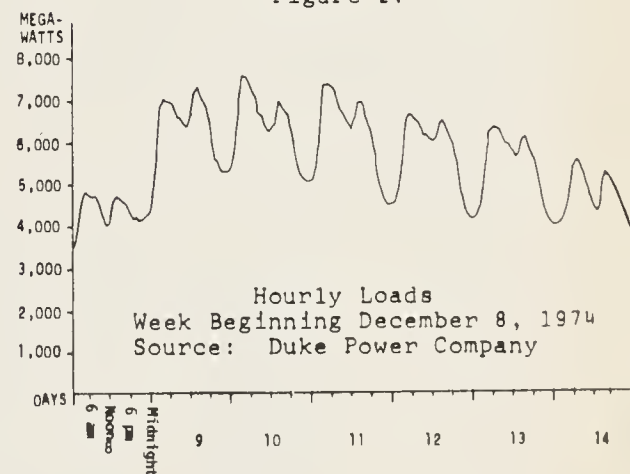
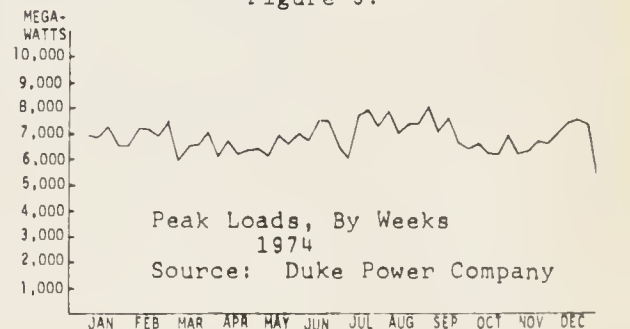


Figure 3.



Charts reprinted from *North Carolina Review of Business and Economics*, quarterly publication of Center for Applied Research, UNC-G School of Business and Economics

This argument against nuclear power was prepared by Henry T. Harrison of Rt. 1, Weaverville, as a response to the Carl Walske article "Nuclear Power: No Reasonable Alternative," which appeared in the August issue of CAROLINA COUNTRY.

Harrison, a retired meteorologist who still does some consultant work in his field, wrote this piece on behalf of the Asheville-based organization, Carolinians for Safe Energy. He is corresponding secretary of the group, which claims about 100 members. A 72-year-old native of Washington, D.C., he was a meteorologist for United Air Lines from 1935 until 1968. Prior to that, he was with the U.S. Weather Bureau for 11 years.

Carolinians for Safe Energy was organized last year to oppose plans for construction of a nuclear power plant in the Asheville area by Carolina Power and Light Co.

THE CASE AGAINST NUCLEAR POWER

"I am gravely concerned about the potentially catastrophic danger to human life and public safety from the radiation produced by the splitting of the 'peaceful atom'. . . . If present plans to construct atomic electric plants within and near large population centers from coast to coast are permitted to proceed, this process will live among us on a scale never before attempted and pose the threat of contaminating large sections of our cities. I believe that the existing plans are irresponsible, because the safe functioning of these power plants would require the solution of crucial problems that are still unsolved. Since the safety of millions of our citizens is involved, it is of utmost importance that laymen understand the implications of the steps that are now being pressed."

An environmentalist speaking? No. It was David Lilienthal, first chairman of the Atomic Energy Commission, making an emotional plea to the American public. Why did this champion of nuclear energy see fit to turn against the program which he, as much as any other person, had brought into being? Here was an industry with an \$800 billion target to spur it on, an industry having a blank check from the U.S. Congress, billions of dollars voted to take care of research and development (only pittance to other forms of energy), authority to approve its own actions and judge its own failures and, finally, freedom to forget all about liability resulting from catastrophic accidents. The latter was thanks to the Price-Anderson Act of Congress which — in effect — transferred the liability from the nuclear power giants to the backs of the American taxpayers. The reason why Lilienthal did this must be that this honest scientist realized that forces had been released that gravely threatened the future of the planet unless they somehow could be brought under control. What are those forces?

Contamination of our Waters

It is estimated that nuclear plants will use 50 per cent of all fresh water runoff in this country by the year 2,000 for a. cooling purposes and b. as sewers to carry off some of their low level radioactive wastes. When they are used for cooling, the waters are returned to the streams 11 to 23 degrees(F) warmer than when received, creating major threats to the ecology of the area in some instances. Radioactive wastes are dumped routinely into the waters in amounts approved by the Nuclear Regulatory Commission but many authorities challenge this



practice, maintaining that there is no "safe" level of routine radiation doses for man, animals or plant and sea life, that continued exposure to any level can prove lethal with time.

Contamination of the Atmosphere

Routine release of radioactive gases from nuclear fission power plants is permitted in amounts considered by the Nuclear Regulatory Commission to be "permissible". Again, medical authorities argue that there is no safe level of exposure that persons who experience regular doses of low level radiation run real risks of contracting leukemia or cancer years later, plus an ever present danger of suffering genetic effects that might carry down for generations. Unborn babies and infants are believed to be most prone to these effects. Nuclear proponents argue that there is no proof of this and insist that "no one was ever killed by a nuclear plant." This claim is ridiculous because the latency period after incurring these effects ranges from three to seven years for leukemia and up to twenty years or more for cancer. Genetic effects such as mental retardation, birth abnormalities and ill health would require a generation or more to show up. There is no way of knowing how many persons alive today will have their life spans shortened or their descendants' health impaired by radiation effects already suffered.

Permanent High Level Waste Stockpiles

Of all the dangers associated with nuclear proliferation, permanent stockpiling of high level radioactive wastes must be regarded as the most fearful. Even the nuclear people concede that they have no answer, that there is no known method of disposing of these wastes safely. Products of the nuclear cycle, high level wastes consist of tritium, strontium 90, cesium 137, plutonium and others. Plutonium, the most deadly substance ever produced by man, must be stored for something like 200,000 years because it will remain active that long. Most wastes must be kept under armed guard to protect against terrorist activities. Those that travel long distances by truck, train or airplane are exposed to accidental leaks and spills. Tanks that boil continuously in their steel and concrete containment eventually eat through the tanks to pose new problems. It is estimated that at least 85 million gallons of such wastes are in storage today at places like Aiken, South Carolina and Hanford, Washington — products of our nuclear weapons program. Similar wastes of the civil power program — rapidly overtaking the military in volume — will result in a worldwide accumulation by the year 2,000 of a minimum of two million cubic feet of high level radioactive poisons awaiting disposal — meaning permanent storage under armed guard most likely. These wastes will include a minimum of 860,000 cubic feet from civil light water reactors of which roughly one half will have come from this country. Plutonium works of the weapons countries will contribute a minimum of 1.2 million cubic feet. This is the legacy we are passing on to our children and grandchildren!

Accident Liability

Small and not so small accidents have marred the nuclear industry ever since its inception. As an example, take South Carolina where there are currently three nuclear plants — Duke Power at Seneca, Carolina Power & Light at Hartsville and the federal reprocessing plant near Aiken — and others are being built. In 1974 alone all three of those plants experienced accidents wherein radioactive wastes — liquids or gases — escaped into the environment and provoked enough concern for the communities to bring news flashes over a wide area. The worst one, according to news reports, was the escape of a large cloud of tritium gas at Aiken on May 2 which hovered over sections of Georgia and South Carolina for three days. Governor John West of South Carolina conceded that "... a trace of the material (tritium) was isolated in vegetation, milk and pools of water on May 4 and 5." Some of the "small" accidents occurring at plants over the country were on the verge of becoming catastrophic — like the partial meltdown of the Fermi Breeder Reactor near Detroit in 1966. That plant had to be abandoned permanently. Another "accident" was the General Electric Reprocessing Plant at Morris, Illinois, which was completed in 1974 at a cost of \$65 million and then abandoned because of "faulty design".

The Atomic Energy Commission has admitted that there is a certain amount of risk of a catastrophic accident occurring which could affect an area the size of several states, cause

many thousands of fatalities, thousands more marked for early death, an unknown number marked for genetic effects, and large areas poisoned by radiation essentially forever. The Nuclear Regulatory Commission (successor to AEC) and the nuclear industry argue that they are justified in proceeding with nuclear proliferation because the risks are minimal. (What they do not add is that profits promise to be enormous.) Others maintain that Murphy's Law is a safer basis for prognosis — "If it can happen, it will."

Like David Lilienthal, many of us today are concerned about the potentially dreadful danger to human life and public safety from the radiation produced by the splitting of the "peaceful atom". Let one catastrophe happen and an enraged citizenry will come to life and demand that the nuclear industry cease and desist. As a cold matter of fact, atomic energy is really unnecessary for our future. There are alternatives. As just one example, solar energy is capable of producing 30 per cent of our total energy requirements by the year 2000 according to a study made by the National Science Foundation. Nuclear can do no better, according to some recent estimates.

Is it unreasonable to demand that a moratorium be declared on nuclear power until solutions are found to the unanswered problems of today?

Henry T. Harrison
Rt. 1, Weaverville

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N.C. tobacco spitting championship **it fell to earth I knew not where**

Twenty-three tobacco spitters showed their stuff in Dunn Sept. 18 at the second annual N.C. championship meet.

Norwood Blue of Roseboro, the reigning distance champ, beat his old mark of 17 feet 3 inches with a spit of 21 feet 10 inches to take a trophy and a brass spittoon.

Andrew James West, Greer, S.C., took the trophy in the accuracy contest.

The rules were simple enough. To count, the "mark" had to be at least the size of a quarter. Each contestant had three chances for distance, but only one for accuracy. And for some, once was more than enough.

Frank Norris directed the contest for American Legion Post 59 in Dunn. Norris said there were a few casualties, including the manager of the county fair where the meet was held.

"He got sick and had to lay out about two hours after the first spit," Norris said.

But for Norwood Blue, the distance champ who has been chewing and spitting for 15 years, it's "just an ole habit."

His brand? Cannonball.



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text by
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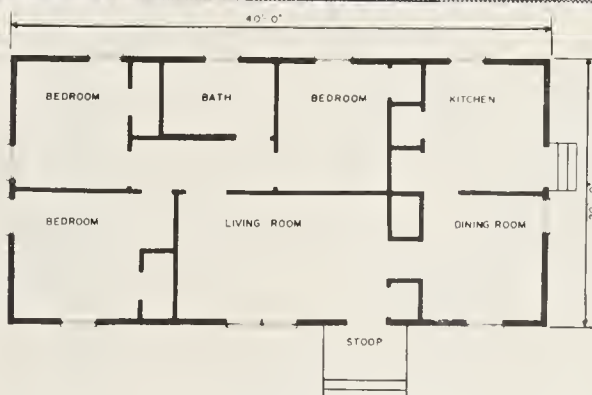
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The Gas Price Hike : New Dilemma for Country Folks



on people who depend heavily on the automobile—namely, farmers and others living in isolated parts of the country and small-town residents far from the big cities.

Farm people often use cars or light trucks in day-to-day operations. For example, they may drive to town to pick up parts for the machinery, buy fertilizer, or attend agricultural auctions. Not to mention trips for groceries, household goods, medical attention, and church. In most cases, there's no public transportation. They couldn't hop on a bus and go into town even if they wanted to.

Most rural people need cars to get to work. Over 85 percent drive their own vehicles or are passengers in somebody else's. Only 1 percent use public transportation.

In comparison, 80 percent of urban workers go to work in cars, while another 12 percent commute by mass transit. The others walk, ride bicycles or motorcycles, or travel by other means.

Hikes in gasoline prices, coupled with the absence of an alternative means of transportation, deal an especially hard blow to farmers and other rural people, who have to drive greater distances to work than any other occupational group—11 miles per trip on the average. This is over twice the length of any other occupational sector.

Because they're so dependent on the car, more people in the country own one. In 1972, for example, 90 percent of all rural households with incomes over \$5,000 owned at least one car or truck, versus 85 percent for city dwellers. In addition, almost 70 percent of the rural population with incomes of less than \$5,000 yearly, owned a car or truck, compared with only 40 percent of the urban poor.

Families in rural areas make more automobile trips, including tax trips, than people living in cities. The total miles driven is also greater. In 1970, rural families made about 1,600 trips a year, almost 15 percent more than the national average of 1,400.

A few years ago, most of us wouldn't dream of walking to our neighborhood grocer. We took the car. No wonder we were thrown into a dither when we couldn't get gas during the Arab oil embargo.

Today, there's enough gas, providing you can cough up the money to pay for it. Gasoline prices skyrocketed during the embargo, and never have come down appreciably.

And now, in order to conserve precious energy, gasoline prices are going higher.

The transportation sector has been gobbling up a good portion of our Nation's energy supplies—about a fourth of it each year. Automobiles alone use over half of that.

Since hiking up gasoline prices seems to be the order of the day, it's important to consider the impact

and more than double the 700 trips made by residents of the largest urban areas.

Total miles traveled by rural households was about 15,500 a year, or 42 miles a day. This is more than families living in the smaller towns or cities, and almost twice as many as people living in the largest metropolitan areas.

Because rural residents usually lack other means of transportation, they use their cars more than anyone else. And not just for work-related reasons. They have to drive more miles for shopping and medical care, as well as recreation and leisure, than others.

However, rural folks do have one thing going for them when it comes to getting around. Cars and trucks driven on relatively open roads are more energy efficient than vehicles operated in congested urban traffic. The stop-and-go cycle of driving in heavy traffic results in greater gasoline consumption.

Urban cars require more than 8,000 BTU's (British Thermal Units—the quantity of heat to raise the temperature of 1 lb. of water 1° F) per passenger mile. That's more than any other means of transportation except airplanes. Cars traveling between cities, on the other hand, are more than twice as efficient, using only 3,400 BTU's per passenger mile, even less than urban mass transit in terms of energy used. This is partly because there are usually more passengers per car in intercity travel.

Just how much gasoline is guzzled by rural travel? Assuming that all rural automobile miles were driven in relatively uncongested areas, with optimum conditions of terrain, driver operations, load, vehicle weight, and mechanical condition, the rural family that drives over 15,000 miles a year would consume about 1,000 gallons of gasoline annually. On the other hand, urban families living in the largest cities, and traveling in congested conditions, would use about 700 gallons for the 8,000-plus miles they drive each year. Thus, the rural household consumes about 40

percent more gasoline, but travels almost twice as many miles as the urban household.

Boosting taxes on gasoline by 25 cents a gallon to conserve energy would jump the cost of transportation for the rural family by \$250; \$175 for the city family. However, since people living in the country probably have fewer opportunities to reduce automobile travel distances or switch to alternate means of travel welfare impacts would be potentially greater for them.

For example, urban households can offset some of the increase in gasoline prices by switching to public transportation or carpooling, or by traveling shorter distances to shopping and medical care. Rural people rarely have this option. Also, since public transit may receive preferred treatment with regard to higher fuel prices (discounts, subsidies), urban households would, in effect, be receiving a bonus.

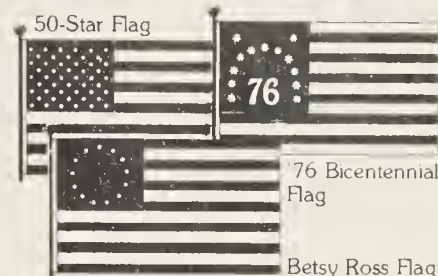
What all this boils down to is that rural families would have less purchasing power than others as a result of a jump in gasoline prices. The purchase of any product has two cost factors—the market price and the cost of the transportation to obtain it. Since country folk can rarely cut the gross cost of an item by lessening the transportation factor, their dollar is worth less than their city cousins'.

Auto fuel conservation is a must if the U.S. is to achieve energy independence; however, it's hoped that any energy policy will have equitable effects on urban and rural populations. Unfortunately, preliminary indications have shown greater impacts on rural households than on urban ones.

Reprinted from "The Farm Index," monthly publication of Economic Research Service, U.S. Department of Agriculture. The article is based on a speech by Erhardt O. Rupprecht of the USDA's National Economic Analysis Division. The speech was delivered last August at a meeting of the American Agricultural Economics Association in Columbus, Ohio.



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The Carolina Homemaker

KID STUFF



Toy making isn't just for Santa's elves. It's for rainy day moms who hear "I don't have anything to do" from the little ones. And it's for grandmothers and aunts and friends of little people who want their gifts this Christmas to have a special personal touch. Most of the materials you'll need are probably already around the house. Come on and give it a try! You might be surprised at how easy it is and how much fun you can have pretending you're an elf.

Stick Horse: Materials needed are a man's sock, a long stick (old broom handle or mop handle), stuffing material (rags, cotton, panty hose, shredded foam rubber, etc.), tacks, an old glove, two buttons, ribbon, and for the optional mane, a tapestry needle and yarn.



1. Stuff the man's sock with stuffing material until it is very hard. If you are using an old sock that has thin spots from wear, it may be necessary to cover the first sock with a second one. 2. Push the stick into the sock up to the heel. Using small tacks, tack the neck of the stuffed sock to the stick. Wrap yarn, string or ribbon around the end of the sock to cover the tacks. 3. Cut two fingers

from the old glove, stuff them and sew them to the head of the horse. Fabric scraps can be used for the ears if you don't have an old glove. 4. Sew on the buttons halfway down the head for eyes. Cut three feet of ribbon, yarn or strips of cloth and sew it across the nose for reins. 5. A mane made of yarn can be sewn on with a tapestry needle. 6. Hi Yo Silver away!

Gingham Dog and Calico Cat Pillows: Materials required are $\frac{3}{8}$ of a yard of 36 inch wide cotton print or check for each pillow; scraps of felt or fabric for dog's ears; scraps of black and white felt or other fabric and stuffing material.

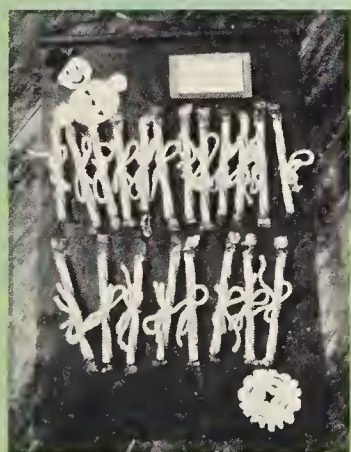


1. Make a paper pattern based on the photographs above and cut out the fabric. 2. Cut out two pieces of fabric for each ear. 3. Hold the two pieces of fabric for each ear together and sew — inside out — $\frac{1}{4}$ inch from the edge around all but the section where the ear will attach to the pillow. Seam outer edges, leaving base open. Trim seams, clip edges, and turn. 4. With the outside of the heads facing, stitch head pieces together, ears sandwiched between, leaving an opening for turning. Turn and stuff. Blindstitch



opening. 5. Cut out pieces of felt for mouths, eyes and whiskers, and paste down.

Christmas Candy Calendar: Materials needed are felt in black, white and green or red, stick candy or candy canes, colored yarn, glue, a gold cord or ribbon, and a wooden dowel 12 inches long.



1. Cut a piece of felt 18 inches long and 12 inches wide. Using pinking shears, if you have them, makes attractive edges. 2. Turn one end over dowel and stitch or glue in place. 3. Attach ends of cord or ribbon to the ends of the dowel. 4. Leave room at the top for a snowman cut from felt and glued on, and for this short verse which can be typed or printed on a square of paper and glued to the felt:

"How many days til Christmas?
It's oh so hard to count!

So this gay candied ribbon
Will tell you the exact amount.
Untie a candy every night
Before you say your prayers
And Christmas Day will be here
For everyone to share!"

5. Decide how many days before Christmas you want to give the calendar to a child, then make that number of short double slits on the felt. Run a piece of ribbon through each slit and tie. Then tie on candy canes or pieces of stick candy.

Ball Toss: Materials required are an empty liquid bleach bottle, a small rubber ball with attached rubber band or a small rubber ball and length of string.



1. Cut off the bottom of the liquid bleach bottle. 2. Run the end of the rubber band or string through the neck of

the bottle and replace the bottle cap. Try catching the ball into this scoop.

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Send \$1.00 in cash (no stamps) for each pattern to: CAROLINA COUNTRY, Box 42, Old Chelsea Station, New York, N.Y. 10011. Add 25¢ first-class mail and special handling. Be sure to include your full address, zip code and pattern size.

Country Kitchen

Pumpkin Chiffon Pie



With Thanksgiving not so far away and with pumpkins now on hand, here is the favorite of all pumpkin pies from Mrs. G. Bert Harris of Piney Creek, who has been saving recipes as a hobby for 23 years. The Harrises are a retired Navy family and are served by the Blue Ridge EMC.

If you have a favorite recipe that you would like to share through this column, send it to: Country Kitchen, 3333 N. Boulevard, Raleigh, N.C. 27604. Tell us something about the recipe and any helpful tips that you have discovered in preparing it. We'd also like to know about you and your family. We pay \$5 for the recipe chosen monthly for this column.

COUNTRY KITCHEN RECIPE

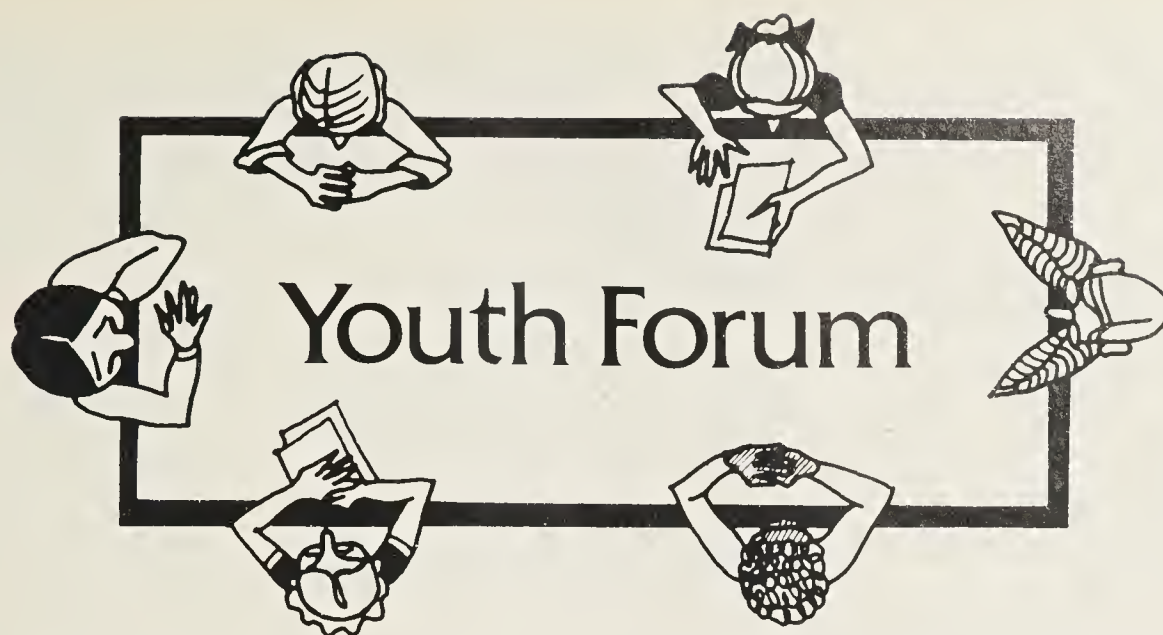
Submitted by Mrs. G. Bert Harris, Piney Creek

PUMPKIN CHIFFON PIE

1 envelope unflavored gelatin
½ cup firmly packed brown sugar
½ tsp. each salt, nutmeg, cinnamon
¼ tsp. ginger
1 ¼ cups evaporated milk

2 eggs, separated
1 ½ cups canned or cooked pumpkin
¼ tsp. cream of tartar
¼ cup granulated sugar
1 nine inch baked pastry shell

Mix together gelatin, brown sugar, salt and spices in top of double boiler. Stir in evaporated milk and egg yolks; mix well. Place over boiling water and cook stirring occasionally until gelatin dissolves and mixture thickens slightly (about 6 minutes). Remove from heat; stir in pumpkin. Cook, stirring occasionally, until mixture is chilled and mounds when dropped from a spoon. Beat egg whites until foamy. Add cream of tartar and beat until stiff, but not dry. Gradually add granulated sugar and beat until very stiff. Fold into pumpkin mixture; turn into prepared crust. Chill until firm. Garnish with whipped cream and sprinkle with nutmeg.



“What Should Parents Do About Their Children Who Begin Drinking At An Early Age?”

“To begin with I’d like to say that I’ve been there. I started drinking when I was 13 and didn’t quit until I was 16. I didn’t even realize what I was doing when I was doing it. I was always so down on people who drank . . . When I finally reached 16 I started junior high school. We used to see all these films on drinking and drugs and it really scared the heck out of me so I quit. It took some doing but I made it. So I would like to suggest to each and every parent who reads this to take immediate action. And this does not mean to say to yell and beat the child. I would take the child to the public library in your town and show them all the films on alcohol that you can get your hands on.

**Deborah Horne
Burgaw**

Deborah is 19 and enjoys tennis, horseback riding, swimming, and camping. She also studies ceramics, cake decorating, and welding. Deborah and her parents, Mr. and Mrs. David Ross, are served by Four County EMC.

“Parents should try to prevent problems such as this before they can happen. They should make it a point to discuss the problem of alcohol with their children. This includes setting a good example which their child may follow. By attempting to let the child understand the danger of alcohol, and the problems caused by it, the parents are helping their child resist the temptation of taking a drink just to go along with the crowd.”

**Joanne Carswell
Lenoir**

Joanne is 15 and enjoys playing basketball, chess, and reading. She and her parents, Mr. and Mrs. Joe Ben Carswell, Jr., are served by Blue Ridge EMC.

“Children who begin drinking alcohol at an early age may eventually become alcoholics. That’s why it is rightfully the parents’ duty to try and stop the child before he or she has the

cruel disease, alcoholism. The parents should make a sincere effort to talk to the child — seriously. They should question the child. Why does he drink? Does he have a problem? If so, they should convince their child that drinking only makes things worse, and there are other ways to solve problems rather than by getting high off alcohol. Does the child drink to be ‘in with the crowd?’ If his reason is because ‘everybody else does it’ or ‘it makes you look older’, the parents should then convince the child that (1) drinking only makes you look smaller, and (2) everybody else does not drink. Explaining the physical damage (and emotional in some cases) resulting from alcohol may be of some help. The main point is to be confidential and help the child realize that alcohol does more harm than good. If this talk fails, the parents should then provide professional counseling for their child.”

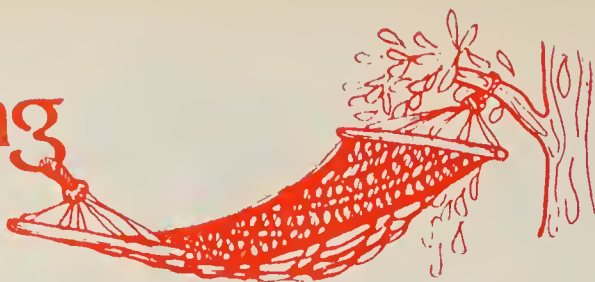
**Rita Flora
Macclesfield**

Rita is 14 and a sophomore at South Edgecombe High School. She enjoys sports, singing, listening to good music, and making new friends. She and her parents, Mr. and Mrs. Rudolph Flora, are served by Pitt and Greene EMC.

NEXT QUESTION: “What contributions can young people make towards solving the energy crisis?”

If you have a good answer, send it to **YOUTH FORUM**, Carolina Country, 3333 North Boulevard, Raleigh, NC 27604 immediately. Tell us a few facts about yourself — your age, school, hobbies, etc. Include your parents’ name and the name of the electric membership corporation serving you. If your answer is published, we will send you \$5. If you want to submit a question, send it along and for each one used, the sender will receive a \$5 check.

Easy Living



DIARY EASES HOUSEKEEPING

By Charlotte Slater

Remember those emotion-packed early teen years when you kept a faithful diary of every throbbing experience?

Try keeping a diary now (with a more level-headed approach, of course). It can help you run your household almost like a business.

Buy a reasonably large, one-year diary that has whole pages for each day, plus extra memo pages in the back. Then record literally anything of importance that happens during a day.

Note when children or other family members see a doctor, what vaccinations were given, how long the vaccinations last before requiring boosters, etc.

Keep track of service or complaint calls, what time they were made and the person spoken to. It is impressive after

the third call to straighten out a bill, to be able to write, "I first spoke to your manager, Mr. Blank at 10 a.m. Thursday, Dec. 14. My second call was two weeks later at..."

Record any bills received. Make another entry the day they are paid and mailed. The same for gifts received and thank-you notes sent.

When did the car last have a tune-up?

Note in advance the dates of all school and work vacations.

Keep track of annual store specials, like white sales. When your linens start wearing thin, you can check last year's diary to see how close the next sale is.

Jot down the date any magazine subscriptions or catalog items are first ordered.

It's even handy to note who comes to dinner when, and what is served. When they come again, you won't have to

wonder if you're cooking them the same dinner.

Note bank account, credit card, driver's license and Social Security number on the diary's memo pages in the back for quick reference (or in case any card is lost).

Memo pages are also good for stockpiling summer vacation activity ideas. Come a rainy day, you won't be wondering what to do with the kids.

Of course, any financial transaction should be noted, whether performed by yourself or your spouse. Examples would be stock purchases, bank account transfers, loans.

Every household is run differently. With experience, you'll develop your own handy uses for a daily diary. These books make nice shower gifts for brides too.

Charlotte Slater, Staff Writer for the Detroit News, is the author of *Things Your Mother Never Taught You*. This how-to-fix-it book stems from her successful newspaper column on these matters. The above selection is taken from Volume I.

Protect Yourself Against Liability Claims



The legal liability risks of farmers are greater today than ever before in history. Mechanization has made many changes in farming operations. It has also increased the number of accidental injuries on the farm. Most of these injuries are serious — crippling or maiming the injured. The large amount of capital needed to purchase and equip most farms represents the life savings of the farm owner. Thus, in these days of large verdicts, farmers can suffer serious financial losses that could be avoided with adequate liability insurance. See your county Farm Bureau Insurance agent today.

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NORTH CAROLINA

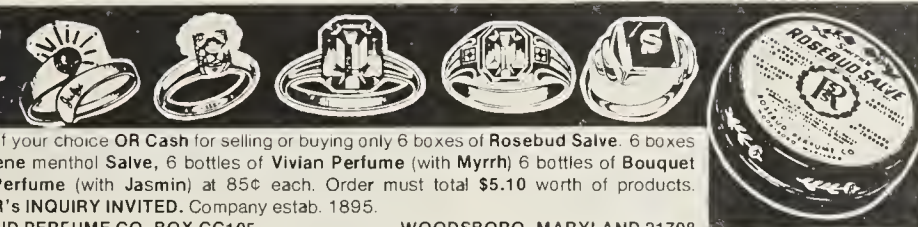
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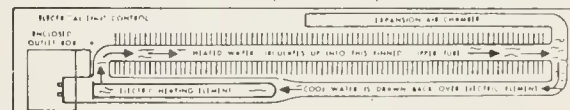
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Robert I. Kabat, director of management services for the National Rural Electric Cooperative Association, addresses the 1975 North Carolina Directors Conference in Greensboro. Also on the podium is Horace Moore, immediate past president of North Carolina Electric Membership Corporation, who headed the conference program committee.



Says NRECA Official

EMC Communications Efforts Needed

A strong plea for improved communications efforts by rural electric cooperatives — as a means of strengthening their ties with the consumer-members — was made by an official of the National Rural Electric Cooperative Association (NRECA) at the 1975 North Carolina Directors Conference in Greensboro, Sept. 10-11.

The plea came from Robert I. Kabat, director of management services at NRECA in Washington, who suggested that open communications is essential if the Electric Membership Corporations are to escape the wrath of their increasingly sophisticated consumers.

Kabat said communicating with the consumers can't stop with preparation of newsletters, radio or TV spot announcements and billboard messages. The EMC must work to establish an image through "the sum total" of the consumers' experience with it.

"In other words, if a utility wishes to have a good image with its consumers it must provide good, reliable, convenient, consumer-oriented services; its employees must be courteous and helpful; its buildings and service centers must be attractive, clean and efficient looking. And especially in periods of inflation and rising costs, it must be efficient, cost conscious and fair."

Some of today's EMC consumers may be the rural people who remember life without electricity and count themselves lucky to have power. Kabat said, but a great many are well-educated professional people who have joined the back-to-the-country

movement or who own vacation homes served by EMCs.

As a result, the EMCs must recognize that these "new consumers" will take a new approach to their role as consumer-members, especially in view of the rising tide of consumer activism throughout the nation, Kabat added.

The management specialist also urged the directors to "always level with the members not only about today but about what the future might hold."

In addition, the EMCs should become "leaner, more productive organizations" which operate as completely open and democratic as possible. The employees must also see that all employees understand what is happening and why so they can "respond to the members in terms of their human needs," according to Kabat.

Finally, he said, the EMCs should continually work to improve their image as "an organization dedicated to the consumer, democratically run and working for community betterment."

About 115 EMC directors from across North Carolina participated in the two-day conference, which was sponsored by N.C. Electric Membership Corporation.

Also addressing the meeting were Louis Strong, president of the Kentucky Association of Electric Cooperatives; Hugh Wells, vice president and general counsel of N.C. EMC and Robert N. Cleveland, executive vice president and general manager of N.C. EMC.

McFelea Heads Materials Program

Jerry McFelea of Lenoir has been appointed director of materials and supplies for North Carolina Electric Membership Corporation.

McFelea, who assumes the post after 14 years as director of purchasing for Blue Ridge EMC in Lenoir, will oversee development of a centralized purchasing system serving the 28 EMCs which are members of N.C. EMC.

The new purchasing program will be operated under a separate corporation known as Tar Heel Electric Membership

Association. The program is being organized as a means of reducing the EMCs' overall materials costs through bulk purchasing.

As head of the program, McFelea will direct purchasing, marketing, warehousing and shipping operations for the statewide system.

The Lenoir native completed a two-year business program at Appalachian State University.

While at Blue Ridge, McFelea served for six years as coordinator of purchas-

ing for the 10 EMCs making up the Western Management Decision Making Group.

In Lenoir, he was pastor of Harland Baptist Youth Church and for the past two years, he has served as chairman of the Gamewell community Cancer Crusade.

He is married to the former Edith Hollar of Lenoir. The McFeleas have two children, Kevin, 14, and Tonya, 11.

Engineer Joins N.C. EMC

An N.C. State University graduate with a degree in nuclear engineering has joined the staff of North Carolina Electric Membership Corporation as Engineering Assistant in the Power Supply Division.

Mrs. Patricia Lloyd Williams assumed the post after serving for 18 months as chief of the research branch for the State Department of Military and Veterans Affairs' Energy Division.



After completing her degree at NCSU, she worked as an assistant engineer with the Fuel Resources Department of Virginia Electric and Power Company in Richmond. A year later, she moved to Raleigh, where she became supervisor of final quality control at Corning Glass Works.

At N.C. EMC, Mrs. Williams will work closely with Hugh Wells, the organization's general counsel and head of the Power Supply Division. Her duties will relate primarily to the technical aspects of power supply matters.

Mr. and Mrs. Williams reside in Durham County, where they are consumer-members of Wake EMC, Wake Forest.



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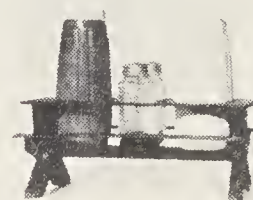
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Consumer News

This article has been prepared by the North Carolina State Attorney General's Consumer Protection Division. If you have a complaint or information about unfair or deceptive trade practices notify the Consumer Protection Division, Office of the Attorney General, P.O. Box 629, Raleigh, North Carolina 27602.

Settling disputes over credit card purchases should now be easier for cardholders.

As in other areas of consumer interest, this field has experienced some important, almost drastic, changes which vitally concern credit card users.

Notably on October 28 new rulings governing certain disputes in credit card purchases went into effect under the Fair Credit Billing Act adopted by Congress last year.

In the future, when disputes arising over products or services purchased through a credit card account cannot be satisfactorily settled with the seller, the buyer may simply refuse to pay for them until the disagreement is resolved.

And, until the matter is settled, no finance charges may be added for that portion of the account; the account may not be cancelled because of non-payment on the disputed amount; adverse credit reports may not be issued; nor may companies threaten cardholders with possible issuance of low credit ratings for refusal to pay the amount in question.

Debts on credit card accounts are owed to the card issuer (ex: Master Charge, Bank Americard, American Express, etc.) instead of the merchant and in the past the creditor (card issuer) has not been involved in disputes between buyers and sellers. But, under the new rules, if the dispute is not settled, card issuers are required to intervene and attempt to reconcile the differences.

There are some limitations to this new avenue of recourse for users of "plastic money," which should be made clear.

First, the buyer must make a "good faith" attempt to work out the problem with the seller. "Good faith" is not defined in the rules, but will be considered on a case-by-case basis in the event of legal action.

Secondly, the disputed amount must be over \$50 and the purchase must be made in the cardholder's home state or within 100 miles of the address on the credit card account. Exception to these requirements will be made on advertisements

for the purchased items or services received from sellers outside these restrictive areas.

While buyers are not required under the new rules to notify the card issuer of any refusal to pay for the disputed charge, it would be a good idea to let them know about it and tell them why. To do so would support the "good faith" intent and could be used as evidence if court action arises from the dispute.

Importantly, if the merchant or card issuer determines that the complaint is unjustified, they will be within their rights to take legal action against the cardholder.

The new rules also spell out additional benefits to cardholders when they feel that an error in billing has been made. In such instances, payment may be suspended for the suspected incorrect charges and the card company is required to investigate the billing amounts in question.

However, cardholders must notify the card company in writing within 60 days of receiving the bill and explain the problem. Copies of sales slips or other documents would be helpful to enclose with the letter, but cardholders should keep all originals. The card company must acknowledge complaints of this nature within 30 days and they have 90 days to resolve them.

Here again, until the problem is resolved no finance charges may be added for that portion of the account, the account may not be cancelled for the refusal to pay the amount involved, and no bad credit report may be generated because of the refusal to pay it.

If it is finally determined that there was no error, the cardholder is then required to pay finance charges for the entire period during which payment was withheld.

Since credit cards have found their way into many pockets, they have become a significant source of purchasing power to consumers. And, it's all the more noticeable as the peak selling season of the year gears up and cardholders begin to invade their credit lines for the annual Christmas buying onslaught.

With the expected seasonal increase of credit card usage and the October 28 regulation coming almost in concert, consumers should begin now to learn their new rights and their new obligations.



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Jacksonville
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Oxford
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"Never mind, children, you may not hear the Bible read in school, but if you get to jail there will be one in every cell."

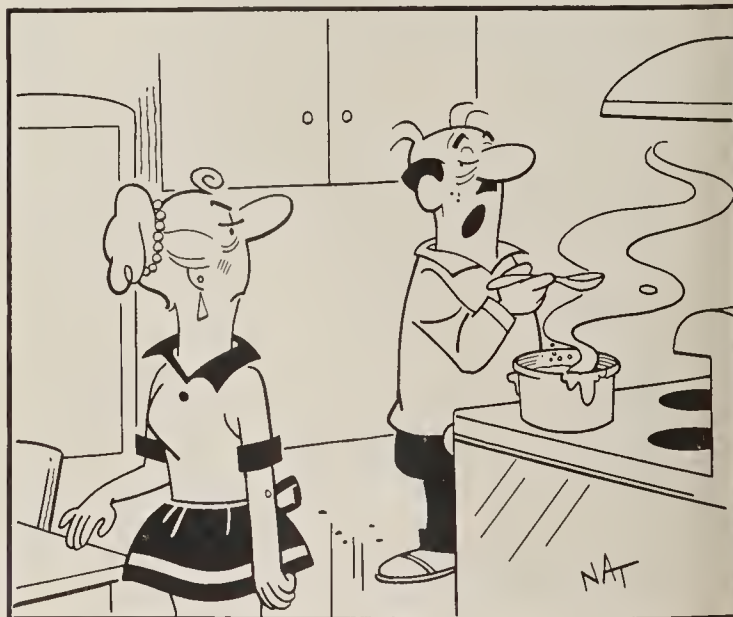
A man went diffidently to the nurse in the hospital and said "I'm calling about Miss Brown. How is she doing?" "Well right now she is convalescing." "In the case, I'll just wait until another time."

Nothing makes it harder to remember campaign promises than getting elected.

During a lecture on science the instructor asked one student "This gas contains poison. What steps would you take if it should by chance escape?" "Long ones," came the reply.

Morris Chair is spending his vacation in his backyard this year where he can be as uncomfortable as he chooses and it won't cost him a cent.

After an accident, one woman rushed out of the gathering crowd and started to lean over the victim. She was pushed aside by a man who directed, "Step back please! I've had a course in First Aid." The woman stood and watched the man's ministrations for a few minutes, then tapped him on the shoulder. "When you get to that part about calling a doctor," she said, "I'm already here."



"MMMM. Save that recipe. I have to patch some cracks in the driveway."

Rural medicine is rolling up its sleeve for a \$14 million shot in the arm.

A new national program, called the Rural Practice Project, is being funded by \$14 million in grants from the Robert Wood Johnson Foundation of Princeton, N.J. Under the program, The University of North Carolina School of Medicine at Chapel Hill has been selected to administer the establishment of 25 model community medical practices in small towns throughout the United States.

The aim of the program is to find new ways of providing health care to rural residents at a price the people can afford, and in such a way as to offer professional stimulation to young doctors.

Dr. Donald L. Madison, associate professor of medical care organization at UNC and a senior program consultant of the Robert Wood Johnson Foundation, is directing the project.



Madison says the once-familiar "country doctor" approach to community health care, where one highly dedicated but overworked physician did it all, is no longer a workable pattern for rural health care.

"This style of isolated professional life

holds far less attraction for today's generation of physicians," Madison says. "They have experienced more years of training than their predecessors; consequently, their professional expectations are much greater."

One goal of the project is to set models of rural medicine that "can capture the imagination of the best young physicians and stimulate them to establish similar settings for rural practice."

The program's 25 models, to be scattered throughout the country in areas of need, will operate independently of one another using small teams of health professionals: one to three doctors, physician's assistants, and an administrator.

The approach is to keep the group large enough to promote helpful interaction among the members, yet small enough to be supported financially by a small number of patients in a rural community. Each practice will be small

a shot in the arm for rural health care

By Spencer Carter

enough so that patients can become known to those who will be seeing to their continuing health needs over a period of many years.

By maintaining close contact with the communities they serve, the health professionals can identify patterns of illness, larger public health needs, and various social problems. And linkages to hospitals and other specialized health resources will be established for diagnostic backup, referral of patients, and the continuing education of the professional staff.

Madison says the program is "based upon a conscious strategy of investing in leadership — identifying individuals

with talent, commitment, energy, and ideas, and then assisting them in establishing community-oriented medical practices which can stand as innovative national models."

The \$14 million will be used to get the ball rolling. After three to four years, the individual medical practices must become financially self-supporting. Physicians, administrators and communities may apply for the grants. The communities and surrounding areas must have between 6,000 and 20,000 population, and be experiencing a severe shortage of physicians. A 17-member advisory board of national leaders from a variety of fields will oversee the program, giving priority

to communities with the greatest need for improved access to health care.

"One of the serious deficits of rural America," Madison says, "is an insufficient number of physicians. Further, the needs for health care are especially acute because rural areas tend to contain proportionally fewer people of working age but more of the elderly and, in areas of concentrated poverty, more children."

In parts of the South — Georgia, South Carolina, Alabama, and Mississippi — there are fewer than 28 doctors per 100,000 people in rural counties, compared to the overall national average of 156 per 100,000.

The Rural Practice Project is an attempt to find a solution to the problem.

People

Dr. Larry E. Tise of Durham, who has served as acting director of the State Division of Archives and History since last May, has been formally appointed director of the division. A 32-year-old native of Winston-Salem, Tise is an ordained minister of the United Methodist Church. He served as assistant to the division's director, Robert E. Stripe, from August, 1974, until Stripe resigned because of ill health.



R.A. Hardy, assistant secretary and director of procurement and manufacturing for FCX, has been named Seedsman of the Year by the North Carolina Seedsman Association. The award was presented during the group's annual conference.

L.R. Harrill of Raleigh was honored recently for his 37 years of service to the state's 4-H Club program with the dedication of the L.R. Harrill Center at the N.C. State Fairgrounds. The facility, which had not previously been named, has been the hub of 4-H Club activity at the State Fair each year since it opened in 1952. Harrill began his 4-H work in 1922 as a county agent in Buncombe County. Three years later, he became leader of all 4-H Club work in the state, a post he held until 1963.

Harvey E. Millsaps, president and general manager of Mooresville Ice Cream Co., Mooresville, has been chosen president-elect of the N.C. Dairy Products Association.

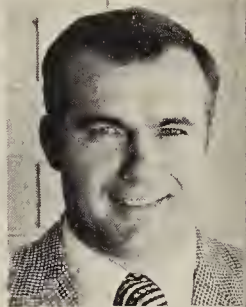
Acting Manager Named At French Broad EMC

Charles Tolley, a Madison County native, has been appointed acting manager of French Broad Electric Membership Corporation, Marshall. He succeeded John Darlington, who resigned.

Tolley, who had been the EMC's engineer since June, 1974, is a graduate of Mars Hill High School. He has a degree in electrical engineering from Clemson University and served with the Army's 18th Airborne Corp. and 160th Signal Group with duty in Vietnam.

He is married to the former Sandra Landers of Marshall.

Tolley, who attended Clemson on football grant-in-aid, was a school teacher-coach before joining the staff at French Broad EMC.



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Apple Trees "as low as \$1.39"		110 Mail Order Specials			
		2 to 9	10-24	25 & up	
Standard	Red Delicious	Each	Each	Each	Each
Golden Delicious, Transparent		2-3'	1.69	1.65	1.59
Stayman Winesap, McIntosh		3-5'	2.99	2.95	2.89
Rome Beauty, Jonathan					2.85
Dwarf	Red Delicious	2-3'	2.99	2.95	2.89
Golden Delicious, 5-N-1		3-5'	4.49	4.45	4.39
Stayman Winesap, Transparent					4.35
Old Fashioned		2-3'	2.69	2.65	2.59
Rusty Coat or Yellow Horse		3-5'	3.99	3.95	3.89

Peach Trees "as low as 85c"		12-24"	.99	.95	.89	.85
Standard	Hale Haven	2-3'	1.49	1.45	1.39	1.35
Red Haven, Redskin, Elberta		3-5'	2.29	2.19	2.09	1.99
Belle of Ga Hardy Reliance						
Dwarf	Belle of Georgia	2-3'	2.99	2.95	2.89	2.85
Red Haven, Elberta, Redskin		3-5'	4.49	4.39	3.99	3.49
Old Fashioned		2-3'	2.49	2.45	2.29	2.19
Red Indian or White English		3-5'	3.29	3.19	2.99	2.79

Tree Blackberry	Price each	\$.99	6 or more	.95 ea.
Darrow Blackberry		.39	6 or more	.37 ea.
Thornless Dewberry		.49	6 or more	.45 ea.
Thornless Boysenberry		.99	6 or more	.95 ea.
Thornless Blackberry		.99	6 or more	.95 ea.
Latham Red Raspberry		.69	6 or more	.65 ea.
Cumberland Black Raspberry		.49	6 or more	.45 ea.
Sept. Red Everbearing Rasp.		.49	6 or more	.45 ea.
Asparagus - Root Div. 1 yr.	10/	.99	25 or more	.07 ea.
Texas Everbearing Fig		1.99	3 or more	1.95 ea.
Celestial or Brown Turkey Flg		1.49	3 or more	1.45 ea.

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REFERENCES: This magazine. The Mail Order Assn. of Nurserymen or Merchants Bank, Cleveland, Tenn.

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List name, quantity, size and price. Print name, address and zip. Give desired shipping date. Send Check, money order or bank card number. In Tenn. add 5% sales tax. Add postage, packing and handling charges: orders up to \$5.00 add 95c \$5.01 to \$10.00 add \$1.25 \$10.01 to \$17.50 add \$1.75 over \$17.50 add 10%

Plum Trees Burbank, Methley, Abundance & Blue Damson

Apricots		2 to 9	10-24	25 & up
Each	Each	Each	Each	Each
2-3'	1.69	1.65	1.59	1.49
3-5'	2.49	2.45	2.39	2.35

Cherry Trees Dwf. North Star, Bl. Tartarian, Montmorency, Yel Glass

		2 to 9	10-24	25 & up
Each	Each	Each	Each	Each
2-3'	2.99	2.95	2.89	2.85
3-5'	4.49	4.45	4.39	4.35

Pear Trees Kieffer, Bartlett

		2 to 9	10-24	25 & up
Each	Each	Each	Each	Each
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3-5'	3.49	3.39	3.19	2.99

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2 yr. field gr. 10 or more,	1.39 ea		Mojave (orange)
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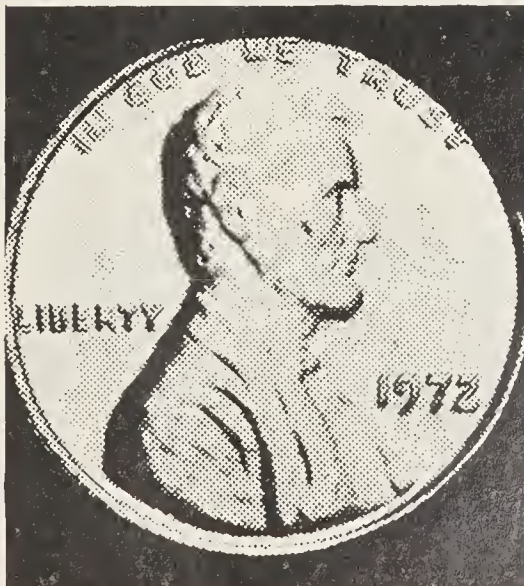
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Poet's Corner



Fall

I walked in depth through the yard today.
Wondering about nature and its way.

The summer is past,
And shadows are cast.
The change is well on its way.

Whatever the call,
It's beckoned by fall,
To pause and rest for a while.

To some it seems sad,
While others are glad.
It is felt and expressed from within.

Still withering away.
To dormant lay.
To emerge when our hearts need a lift.

Mrs. Lois J. Perryman
Lexington

Turtle Crossing

To see a turtle cross a road
In the prime of the day
When monstrous autos
And careening trucks
Lumber heavily by
Tears at the heart-strings of a guy
To rescue the shell-backed brother,
Who trudges diligently
O'er concrete
Across the median line
Toward the ditch
At the side of the road,
Before he is flatly finished.

Barbara Allen Holmes
Fayetteville

Questions

The child looks up into my face.
Her questions I could not answer.
"What makes flowers grow?
How does a bird fly?
Why — did my puppy die?"
The tears on her cheeks,
Make me want to cry too.
I don't know the answers,
I never will,
Like the child,
I too will ask and receive no answer.

Darlene Brackins
Marshall

A Thanksgiving Poem

Thanksgiving's a time for love and friends.
It's a time for happiness and food never ends.
Thanksgiving's a time for remembering
When the Pilgrims thanked God for the
goodness he'd bring.

The Pilgrims, upon landing, were
happy and gay,
And so, I'm sure, they decided to pray.
They prayed and thanked God for
all his giving,
And thanked Him that all were well
and living.

The Pilgrims, I imagine, sang a song
To God that their lives would be
happy and long.

The Indians showed them many a good skill
So the Pilgrims, when hungry, could
shoot and kill.

So on this occasion I'll bow my head and pray
And thank God for another Thanksgiving Day.

Patricia Hamm

Foiled

Baggies are fantabulous
Plastic wrap divine
Aluminum miraculous
But Saran, I can't untwine.

Dorothy Webber
Lake Toxaway

FULL COLOR COVER PRINTS



Carolina Country is offering full color reprints of the beautiful watercolor beach scene which graced the cover of the May issue of the magazine.

The original painting was done by Durham artist Nancy May especially for Carolina Country.

Ms. May has been studying watercolor privately for the past four years and has developed her style through actual experience at the coast. She has exhibited in several one-woman shows in Raleigh, Chapel Hill and Pawley's Island, S.C.

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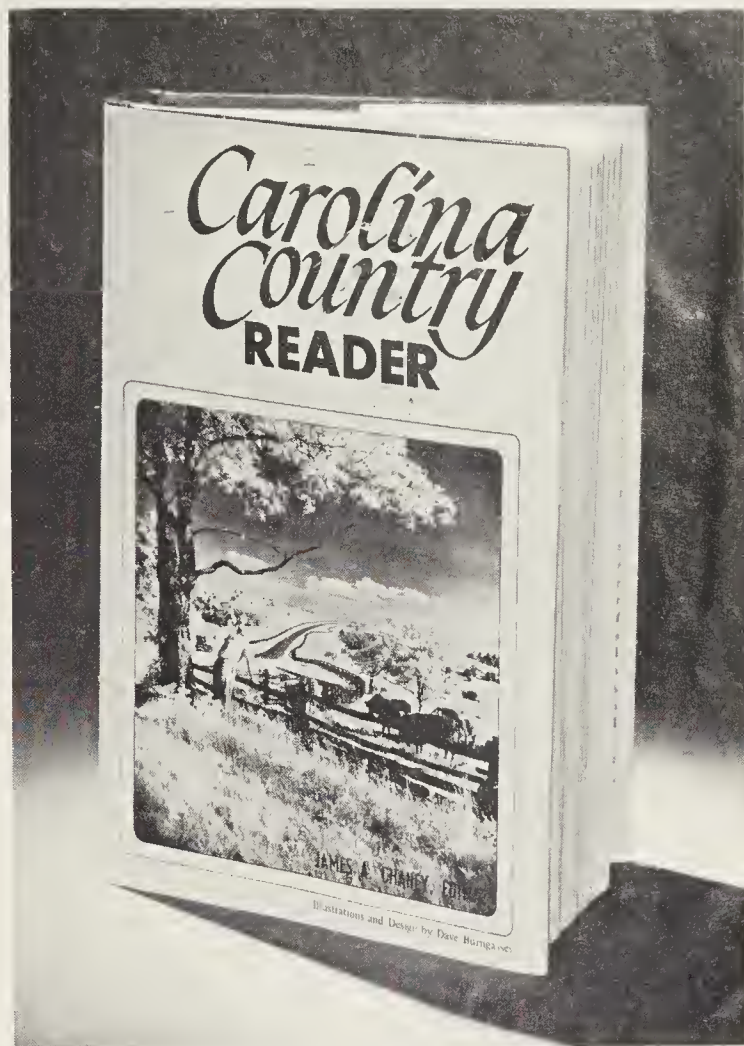
Carolina Country Reader, by Jim Chaney, with foreword by Sam Ragan, has been called "a book for all seasons — the human seasons as well as the turns of the calendar." Other reviewers have written: "The stories are entertaining and rich in everything from humor to pathos . . . sprinkled through its pages are a number of excellent poems." A review in *THE STATE* said, "*Carolina Country Reader* could only have been put together by someone who loves North Carolina and its citizens, and it should be in the home of every true Tar Heel."

Tar Heel author Guy Owen ("The Flim-Flam Man") said in a review in *The Durham Herald*: "Chaney's essays should be more than welcome to a public weary of Watergate and the horrors of the SLA. Here are nostalgic pieces on country doctors, gardening, Mother's Day, the Fourth of July, and the magic of Christmas . . . there is evidence on every page of his skilled reporter's eye and ear. But more important, his brief insightful essays are colored by a compassion and deep humanity, not to mention the saving grace of humor."

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